

9. Mai 2011

To,
M/S. COSMOS PLASTICS & CHEMICALS.
Mumbai, India.

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Information about AEROSIL® R 972

Ladies and Gentlemen,

We would like to inform you herewith that we will in future supply our product AEROSIL® R 972 from our production plant in Japan, Nippon Aerosil Corp., Yokkaichi. With this transfer we are glad to offer you the following benefits:

Long term Experience in AEROSIL® Production in Japan

- We have longterm experience at this site and produce hydrophilic as well as many specialized hydrophobic products including AEROSIL® R 972 since many years.
- So far, no application problem has been reported by any customer in the coatings industry related to the change in the country of origin.

Product Availability in the Region Asia/Pacific

- Serving the regional demand from our production plant in Japan, Yokkaichi, we increase the product availability in the region Asia/Pacific.

Bags & Pallets

- Following our global approach in offering our customers worldwide the same high standard service we are using the same bag format for our products (same dimension, design, etc.) as well as pallets with similar dimension.

Evonik Degussa GmbH
Rellinghauser Straße 1-11
45128 Essen
Telefon +49 201 177-02
Telefax +49 201 177-3475
www.evonik.de

Aufsichtsrat
Dr. Klaus Engel, Vorsitzender
Geschäftsführung
Patrik Wohlhauser, Vorsitzender
Dr. Thomas Haeberle, Thomas Wessel

Sitz der Gesellschaft ist Essen
Registergericht
Amtsgericht Essen
Handelsregister B 20227

Certificate of Analysis



NIPPON AEROSIL CO., LTD.
 Quality Assurance
 Mitacho 3
 Yokkaichi Mie 510-0841, Japan
 TEL +81-59-345-5291/FAX +81-59-346-4657

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Date	2009/12/21
Our order / Line number	
Delivery / Line number / Delivery date	
Your order number	2009/12/25 31935998

Material-No. 3197220310 AEROSIL R972 0.1kg x 30
 Batch 4169111781

Properties	Units	Spec Limits	Values
S. BET	m ² /g	90 - 130	109
pH		4.00 - 5.50	4.90
HCl	%	<= 0.050	0.003
Carbon contents	%	-	0.79



QA Manager M. Kondoh

This document is computer printed and therefore without signature.

The data given above reflect the results of our quality tests at the time of production.

Certificate of Analysis

according to EN 10 204-3.1

page 1 SerialNr: 285320

14 287



Evonik Degussa GmbH
Untere Kanalstr. 3
79618 Rheinfelden
AEROSIL® R 972

Material:

Material-No.: 23.8212.0020.22
Bulk-No.: 23.8212.0020.00
Spec.-No.: 1239/01
valid from: 01.05.2010
Spec. title: Standard
Customer No.: 0000653323
Order-No.: 32120079 /10
Delivery Note No.: 44519633 /10
Date ex works: 10.02.2011
Routing: Ocean precar.truck/ship
Quantity: 880 KG
Customer Order No.: TS-IM-12-ST/3/2011

To,
M/S. COSMOS PLASTICS & CHEMICALS

Control-/Lot-No.: 3151020423

Products specification

Properties and Test Methods	Units	Target Values (Spec Limits)	Actual Values
663/0100 Specific surface area (BET)	m ² /g	110(90-130)	106
663/0210 pH	-	3,6-5,0	4,1
663/0210 in 4% dispersion			
663/0300 Moisture	%	<=0,5	0,1
663/0300 2 hours at 105°C			
663/0600 Carbon content	%	0,6-1,2	0,8

11.02.2011 signed Duckworth, FAX +49 7623 91 7133
Quality Assurance

This document is computer printed and therefore without signature.

The data above reflect the results of our internal quality tests. We do not hereby make any express or implied warranty, whether of quality or of fitness for any specific purpose. All warranty claims are subject to the terms of contract and to our "General terms of sale and delivery". All values refer to the material when leaving the plant.

Product Quality

- The product quality of AEROSIL® R 972 of German and Japanese origin is on a very comparable level.

	German	Japanese	
Specific Surface Area (BET)	100-110	100-110	m ² /g
pH	4,0-4,2	4,5-4,8	
C- content	0,75- 0,95	0,75-0,95	%
HCl content	very low	very low	
Moisture content	<=0,3	<=0,3	%
Hydrophobicity	very good	very good	
Rheology (Silicone RTV-1C)	95-105	95-105	Pas
Optical property Surface (rating)	2,5-3,0	2,5-3,0	*
Dispersibility (Silicone RTV-1C)	1,5	1,5	*
Rheology (Clear Coat)	3	3	*
Rheology (TiO ₂ primer)	3	2-3	*
Transparency and Haze/Gloss	3	3	*
Viscosity (Zinc primer)	3	1	*

*: Rating: 1 = best, 3 = good, 6 = worst

If you have any further questions, please do not hesitate to contact your Evonik Sales counterpart.

Yours sincerely,

Evonik Degussa GmbH

i. V. Susanne Reinhart

Eva Schneider

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